

flow into or out of the vaporization vessel.

4. (Previously presented) The vapor delivery system according to claim 1, further comprising a carrier gas source in fluid communication with the vaporization vessel.

5. (Previously presented) The vapor delivery system according to claim 1, wherein the system comprises a Knudsen cell structure connected to the outlet port of the vaporization vessel.

6. (Previously presented) The vapor delivery system according to claim 1 further comprising a heating means for heating the connecting vapor line.

7. (Previously presented) The vapor delivery system according to claim 1, wherein the system comprises the mass flow controller and the screw delivery device.

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8. (Previously presented) The vapor delivery system according to claim 6, wherein the heating means is selected from the group consisting of electrical, liquid, electromagnetic radiation having wavelengths from  $10^{-2}$  to  $10^{-8}$  meters,

9. (Previously presented) The vapor delivery system according to claim 1, wherein the system comprises the constant flow control valve and the system is heated by an ultrasonic laser positioned adjacent to the vaporization vessel.

10. (Previously presented) The vapor delivery system according to claim 1, wherein the system comprises a Knudsen cell structure connected to the outlet port of the vaporization vessel and a mass flow control valve.

11. (Previously presented) A vapor delivery system for vaporization delivery of a vaporized source material, comprising:

- a) a vaporization vessel for holding a vaporizable source material comprising an input port for introducing a source material and an outlet port for discharging vaporized source material; and a vaporization means for vaporizing the vaporizable source material, wherein the vaporization means is selected from the group consisting of an electrical energy emitting device, a liquid heating medium and electromagnetic radiation device emitting wavelengths ranging from about  $10^{-2}$  to about  $10^{-8}$  meters;